

Paper name	Size	Part number
EPSON Photo Paper	Letter A4 4 x 6 inches Panoramic	S041141 S041140 S041134 S041145
EPSON Ink Jet Transparencies	Letter A4	S041064 S041063
EPSON Photo Quality Ink Jet Cards	A6	S041054
EPSON Premium Glossy Photo Paper	Letter	S041147
EPSON Glossy Photo Greeting Card Kit	Letter	S041267
EPSON Photo Stickers® Kit (CD-ROM and paper) EPSON Photo Stickers (refill, paper only)	A6, 16 frames per sheet A6, 16 frames per sheet	S041144-KIT S041144
EPSON Iron-On Cool Peel Transfer Paper	Letter	S041153/S041155
EPSON Photo Quality Self Adhesive Sheets	A4	S041106
EPSON Matte Paper - Heavyweight	Letter A4	S041257 S041258



The availability of paper types varies by location. Not all paper types match the Media Type setting names in the printer software. See page 6 or the instructions that came with the paper to select the correct Media Type setting.

## Accessories

### Ink Cartridges

Cartridge	Part number
Black	T017201 (U.S.) or T017311 (Canada and Latin America)
Color	T018201 (U.S.) or T018311 (Canada and Latin America)

### Media

Paper name	Size	Part number
EPSON 360 dpi Ink Jet Paper	Letter A4	S041060 S041059
EPSON High Quality Ink Jet Paper	Letter A4	S041111 S041117
EPSON Photo Quality Ink Jet Paper	Letter A4 Legal	S041062/S041029 S041161 S041067
EPSON Photo Quality Glossy Paper	Letter A4	S041124 S041126
EPSON Photo Quality Glossy Film	Letter A4 A6	S041072 S041071 S041107

## Printer Specifications

### Printing

Printing method On-demand ink jet

Nozzle configuration

Black	144 nozzles
Color	144 nozzles (48 each: cyan, magenta, yellow)

Resolution Maximum 2880 dpi x 720 dpi

Print direction Bidirectional with logic seeking

Control code ESC/P Raster, EPSON Remote

Input buffer 256KB

## Paper

Paper type	Size	Paper types	Thickness	Weight
Single sheets	Letter (8.5 x 11 inches) Legal (8.5 x 14 inches) Half letter (statement, 5.5 x 8.5 inches) Executive (7.5 x 10 inches) A4 (210 x 297 mm) A5 (148 x 210 mm)	Plain bond paper and special ink jet papers distributed by EPSON	0.003 to 0.004 inch (0.08 to 0.11 mm) for plain bond paper	17 to 24 lb (64 to 90 g/m <sup>2</sup> ) for plain bond paper
Transparencies, glossy film, glossy paper	Letter (8.5 x 11 inches) A4 (210 x 297 mm) A6 (105 x 148 mm), glossy film only	Transparencies, glossy paper, and glossy film distributed by EPSON	—	—
Matte Paper - Heavyweight	Letter (8.5 x 11 inches) A4 (210 x 297 mm)	Matte paper distributed by EPSON	—	—
Self-adhesive sheets	A4 (210 x 297 mm)	Self adhesive sheets distributed by EPSON	—	—
Envelopes	No. 10, 4.1 x 9.5 inches (104 x 241 mm) DL, 4.3 x 8.7 inches (110 x 220 mm) C6, 4.4 x 6.4 inches (114 x 162 mm)	Plain bond paper or air mail paper	0.006 to 0.02 inch (0.16 to 0.52 mm)	12 to 20 lb (45 to 75 g/m <sup>2</sup> )
Ink jet cards	A6 (105 x 148 mm) Letter (8.5 x 11 inches)	Ink jet cards distributed by EPSON	—	—
Photo Paper	Letter (8.5 x 11 inches) A4 (210 x 297 mm) 4 x 6 inches (102 x 152 mm) Panoramic (210 x 594 mm)	Photo paper distributed by EPSON	—	—
Photo Stickers	A6 (105 x 148 mm), 16 frames/sheet	Photo stickers distributed by EPSON	—	—
Iron-On Cool Peel Transfer Paper	Letter (8.5 x 11 inches)	Transfer paper distributed by EPSON	—	—



Always load paper into the sheet feeder short edge first, except for envelopes. Load envelopes flap edge first with the flap side down

Since the quality of any particular brand or type of paper may be changed by the manufacturer at any time, EPSON cannot attest to the quality of any non-EPSON brand or type of paper. Always test samples of paper stock before purchasing large quantities or printing large jobs.

Poor quality paper may reduce print quality and cause paper jams and other problems. If you encounter problems, switch to a higher grade of paper.

Do not load curled or folded paper.

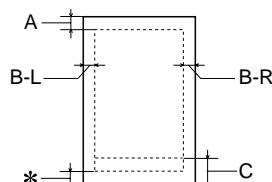
Use papers under these conditions:

Temperature: 59 to 77 °F (15 to 25 °C)  
Humidity: 40 to 60% RH

Store printouts on EPSON Photo Quality Glossy Film and Self Adhesive Sheets under these conditions:

Temperature: 59 to 86 °F (15 to 30 °C)  
Humidity: 20 to 60% RH

### Printable area



single sheets/index cards



envelopes

A: The minimum top margin is 0.12 inch (3.0 mm).  
When loading multiple sheets of EPSON Photo Quality Glossy Film, the minimum top margin is 1.2 inches (30 mm).

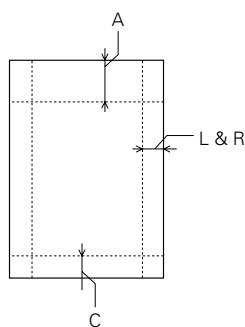
B-L: The minimum left margin is 0.12 inch (3.0 mm).

B-R: The minimum right margin is 0.12 inch (3.0 mm) for all papers except DL envelopes (0.28 inch [7 mm]) and No. 10 envelopes (1.10 inches [28 mm]).

C: The minimum bottom margin is 0.55 inch (14.0 mm).

\* You can extend the minimum bottom margin to 0.12 inch (3.0 mm) by selecting Maximum as the Printable Area setting. However, print quality may decline in the expanded area. Before printing large jobs, print a single sheet to confirm print quality.

EPSON 4 × 6-inch  
Photo Paper \*  
(dotted lines indicate  
perforations)



A: The maximum top margin is 0.67 inch (17.0 mm).  
L & R: The maximum left and right margin is 0.24 inch (6.1 mm).  
The minimum left and right margin is 0.12 inch (3.0 mm).  
C: The maximum bottom margin is 0.24 inch (6.1 mm).

\* EPSON 4 × 6-inch Photo Paper is 4.5 × 6.9 inches (114.3 × 175.3 mm), including the perforated margins. The printable area is 4 × 6 inches (101.6 × 152.4 mm).

## Ink Cartridges

Specification	Black ink cartridge: <b>T017201 (U.S.) or T017311 (Canada and Latin America)</b>	Color ink cartridge: <b>T018201 (U.S.) or T018311 (Canada and Latin America)</b>
Color(s)	Black	Cyan, Magenta, Yellow
Print capacity*	600 pages; A4, 3.5% (ISO/IEC letter pattern), text at 360 dpi	300 pages (A4, 360 dpi, 5% duty each color)
Cartridge life	2 years from production date (if unopened) (within 6 months after opening package, at 77 °F [25 °C])	
Storage temperature	–4 to 104 °F (–20 to 40 °C) 1 month at 104 °F (40 °C)	
Transit temperature	–22 to 140 °F (–30 to 60 °C) 1 month at 104 °F (40 °C) 120 hours at 140 °F (60 °C)	
Freezing temperature**	3.2 °F (–16 °C)	–0.4 °F (–18 °C)
Dimensions	1.1 × 2.6 × 1.5 inches (W × D × H) 28.1 × 66.85 × 38.5 mm (W × D × H)	1.7 × 2.6 × 1.5 inches (W × D × H) 43.2 × 66.85 × 38.5 mm (W × D × H)

\* The figure given is based on continuous printing after ink replacement. The actual print capacity may vary, depending on how often you turn on the printer and how often you clean the print head.

\*\* Ink thaws and is usable after approximately 3 hours at 77 °F (25 °C).



To ensure good results, use genuine EPSON cartridges and do not refill them. Other products may cause damage to your printer not covered by EPSON's warranties.

Don't use an ink cartridge if the date on the package has expired.

## Mechanical

Paper feed method	Friction
Paper path	Sheet feeder, rear entry
Sheet feeder capacity	100 sheets of 17 lb (64 g/m <sup>2</sup> ) paper
Dimensions	
Storage	Width: 17.7 inches (450 mm) Depth: 10.1 inches (257 mm) Height: 6.8 inches (173 mm)
Printing	Width: 17.7 inches (450 mm) Depth: 17.8 inches (452 mm) Height: 11 inches (279 mm)
Weight	9 lb (4.1 kg) without the ink cartridges

## Electrical

Specification	120 V Model	220–240 V Model
Input voltage range*	99 to 132 V	198 to 264 V
Rated frequency range	50 to 60 Hz	
Input frequency range	49.5 to 60.5 Hz	
Rated current	0.4 A	0.2 A
Power consumption	Approx. 17 W (ISO Letter Pattern) Approx. 2.5 W in standby mode	

\* Check the label on the back of the printer for your printer's voltage.

## Environmental

### Temperature

Operation	50 to 95 °F (10 to 35 °C)
Storage*	–4 to 104 °F (–20 to 40 °C) 1 month at 104 °F (40 °C)
Transit*	–4 to 140 °F (–20 to 60 °C) 120 hours at 140 °F (60 °C)

### Humidity (without condensation)

Operation	20 to 80% RH
Storage*	5 to 85% RH

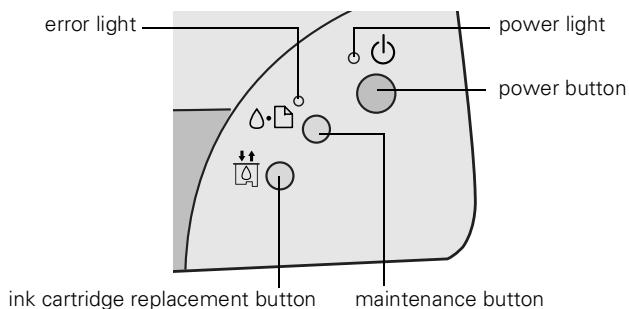
\* Stored in shipping container

## Safety Approvals

Safety standards	UL 1950, CSA C22.2 No. 950
EMC	FCC part 15 subpart B class B

## Control Panel

You can diagnose some problems by checking the printer's control panel lights, as described below, or running a printer check, as described on page 4.



① is on	The ① power light is on when the printer is ready to print. It flashes when the printer is receiving a print job, charging ink, or cleaning the print head.
② is on	When the ② error light is on, paper is out or loaded incorrectly, or you have a paper jam. If necessary, load or reload paper and press the ② maintenance button. If paper is jammed, press the ② maintenance button to try to clear the jam. If that doesn't work, turn off the printer and gently pull out all the paper. Turn on the printer and press the ② maintenance button to resume printing. When the ② error light is on and your paper is loaded correctly and not jammed, you need to replace an ink cartridge. Determine which cartridge is out of ink and replace the cartridge as described on page 6.
② flashes	When the ② error light flashes, your ink supply is low. Determine which cartridge is low as described on page 7 and make sure you have a replacement cartridge.
① is off and ② is on	When the ① power light is off and the ② error light is on, jammed paper may be blocking movement of the print head. Turn off the printer, open the cover, and check inside for any jammed paper. Then turn the printer back on. If the lights are still in the same state, contact your dealer or EPSON.
① and ② flash	When both lights flash as you're replacing an ink cartridge, the flash pattern indicates which cartridge is low on ink, as described on page 7. If you're not replacing ink but both lights are flashing, your printer may have an internal error. Turn off the printer, wait a few seconds, and turn it on again. If the lights still flash, contact your dealer or EPSON.
① and ② are off	When both lights are off, the printer is not receiving power. Try these solutions: <ul style="list-style-type: none"> <li>❑ Make sure the printer is turned on.</li> <li>❑ Turn off the printer, plug in the power cord securely, and turn on the printer again.</li> <li>❑ Make sure the outlet is operable and is not controlled by a switch or timer. If in doubt, try using another outlet.</li> </ul>

## Installing Ink Cartridges for the First Time

Follow these ink cartridge precautions and the others in your *Printer Basics* book:



Use the cartridges packed with your printer the first time you install ink cartridges or your printer won't charge properly.

Install both ink cartridges, and leave them installed for all types of printing, or the printer won't work.

Remove the yellow tape seal from the ink cartridges or you'll permanently damage them. Don't remove the clear seals from the bottom or ink will leak out.

Don't touch the green chips on the cartridges. This prevents normal operation and printing.

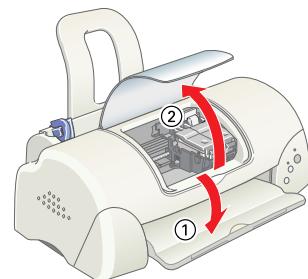
Never turn off the printer when the ① power light is flashing, unless the printer hasn't moved or made any noise for more than 5 minutes.



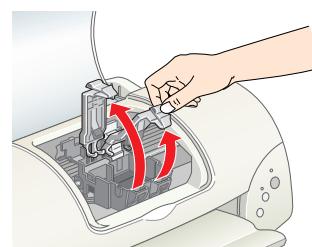
Keep ink cartridges out of the reach of children and do not drink the ink.

If ink gets on your hands, wash them thoroughly with soap and water. If ink gets in your eyes, flush them thoroughly with water.

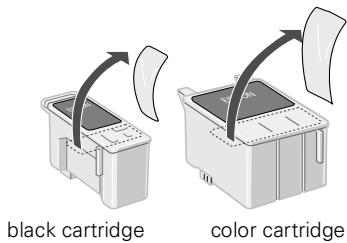
1. Plug in the printer and press the ① power button to turn it on.
2. Lower the printer's output tray and open the cover.



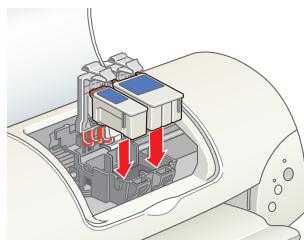
3. Lift up the two ink cartridge clamps.



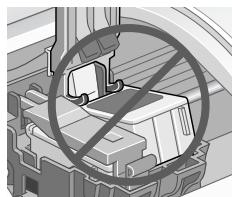
4. Unwrap the ink cartridges, then remove only the yellow part of the tape seal on top. Don't pull off the blue part.



5. Tilt each cartridge forward slightly as you lower it into its holder. Hang the tabs on the back of the ink cartridges on the hoods on the holder clamps.



Don't place the cartridges under the holder clamp hooks; you may damage the clamp when you close it.



6. Close the ink cartridge clamps.

7. Press the  ink cartridge replacement button to begin charging the ink delivery system, then close the printer cover.

8. Charging takes about two minutes. the  power light flashes and the printer makes various sounds until it's finished. Don't turn off the printer or interrupt charging or it will start over, using more ink than necessary. Charging is finished when the  power light stops flashing and stays on.

## Testing the Printer

You can run a printer check to determine whether a problem comes from the printer itself or some other source.

1. Make sure both the printer and computer are turned off.
2. Disconnect the interface cable from the printer.
3. Make sure letter-size or larger paper is loaded in the printer.
4. Hold down the  maintenance button, then press and release the  power button. Continue holding down the  maintenance button until the  power light starts to flash, then release it.

The printer prints one page showing its ROM version number, ink counter, and a nozzle check pattern. (If the pattern has gaps in its dots, you need to clean the print head; see page 8.)

5. To end the check, turn off the printer after it prints the check page. Then reconnect the interface cable and turn on your printer and computer.

If the check page prints, the problem probably lies in your software settings, the interface cable, or your computer.

If the check page doesn't print, you may have a problem with your printer. Try the suggestions in the *Printer Basics* book. If nothing seems to work, contact your dealer or EPSON.

## Printing on Special Media

Whether you print on plain paper or special media, you need to select the Media Type setting according to the guidelines in the table below.

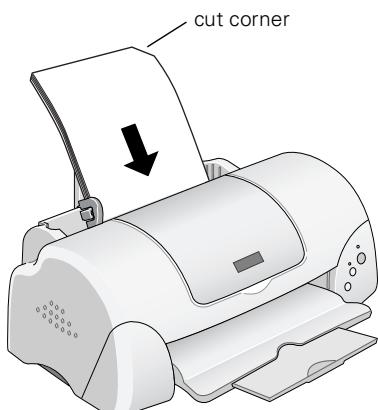
For this paper name...	Select this Media Type setting
Plain paper and envelopes	Plain paper
EPSON 360 dpi Ink Jet Paper EPSON Iron-On Cool Peel Transfer Paper	360 dpi Ink Jet Paper
EPSON High Quality Ink Jet Paper EPSON Photo Quality Ink Jet Paper EPSON Photo Quality Ink Jet Cards EPSON Photo Quality Self Adhesive Sheets	Photo Quality Ink Jet Paper
EPSON Photo Quality Glossy Paper EPSON Photo Paper EPSON Glossy Photo Greeting Cards	Photo Paper
EPSON Premium Glossy Photo Paper	Premium Glossy Photo Paper
EPSON Photo Quality Glossy Film EPSON Photo Stickers	Photo Quality Glossy Film
EPSON Ink Jet Transparencies	Ink Jet Transparencies
Matte Paper - Heavyweight	Matte Paper - Heavyweight

## Additional Media Loading Guidelines



Don't use the cleaning sheets that may be included with your special media; they may damage the printer.

- ❑ Always handle sheets by the edges, and don't touch the printable surface.
- ❑ Be sure to load the printable (whiter) side of the media face up in the sheet feeder.
- ❑ You can load paper up to the arrow mark on the left edge guide.
- ❑ In addition to the **Media Type** setting, remember to select the correct **Paper Size** for your media in the printer software.
- ❑ If the special media has protective sheets between each sheet of media, be sure to remove the protective sheets before printing.
- ❑ If any paper you buy comes with a cleaning sheet, don't use the cleaning sheet with this printer; it may jam inside the printer.
- ❑ Some special media have a cut corner that you need to position correctly, as shown below.



Before you replace a cartridge, be sure to read these sections below:

- "Ink Cartridge Precautions" below
- "Determining Which Cartridge to Replace"

## Ink Cartridge Precautions

Follow these precautions and those listed in the *Printer Basics* book before handling ink cartridges:



Keep ink cartridges out of the reach of children and do not drink the ink.

If ink gets on your hands, wash them thoroughly with soap and water. If ink gets in your eyes, flush them thoroughly with water.



To avoid damaging the printer, never move the print head by hand.

You cannot print if either ink cartridge is empty. Leave the empty cartridge installed in the printer until you have obtained a replacement. Otherwise the ink remaining in the print head nozzles may dry out.

You must remove the yellow tape from the top of the cartridge or you will permanently damage it. Don't try to remove the clear seal underneath the cartridge.

Don't touch the green circuit board on the back of the cartridge; you may inhibit normal operation and printing.

## Determining Which Cartridge to Replace

To find out which ink cartridge is low or empty, do one of the following:

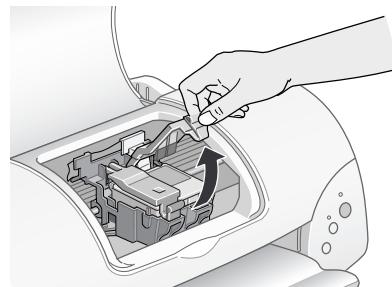
- Check the information in the EPSON Status Monitor 3 (Windows) or EPSON StatusMonitor (Macintosh) window that automatically appears on your screen when you print.
- Press the  ink cartridge replacement button and check the flash pattern of the control panel lights:
  - $\Delta\Box$  error and  $\text{O}$  power lights flash at the **same** speed = replace **black** cartridge
  - $\Delta\Box$  error light flashes **twice as fast** as the  $\text{O}$  power light = replace **color** cartridge

## Removing and Installing Ink Cartridges

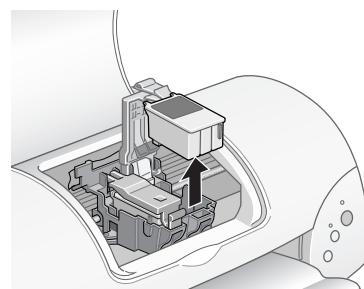
Be sure you have a new ink cartridge before you begin. Once you start the ink cartridge replacement procedure, you must complete all the steps in one session.

Follow these steps to replace ink cartridges:

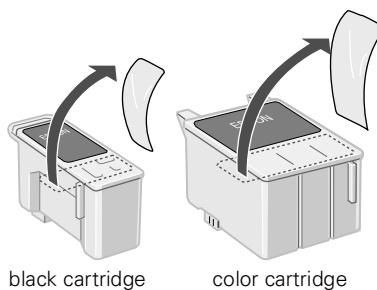
1. Make sure the printer is turned on and not printing (the  $\text{O}$  power light should be on, but not flashing), then open the printer cover.
2. Press the  ink cartridge replacement button. The print head moves to the center and the  $\text{O}$  power light flashes and the  $\Delta\Box$  error light flashes or remains on. (If you need to determine which cartridge to replace, check the status monitor window or the control panel light pattern now, as described above.)
3. The color cartridge is on the right and the black is on the left. Pull up the ink cartridge clamp. The cartridge rises up from its holder.



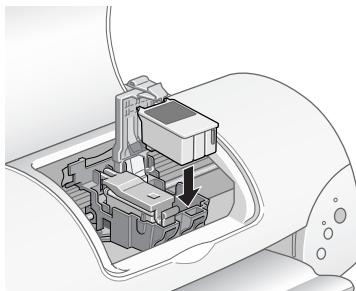
4. Lift the cartridge out of the printer and dispose of it carefully.



5. Unwrap the new ink cartridge. Then remove *only* the yellow tape seal on top.



6. Tilt the new cartridge forward slightly as you place it in its holder.

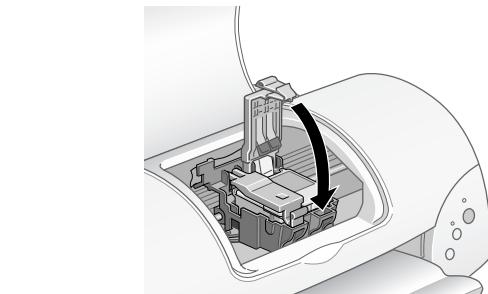
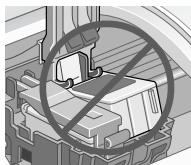


Hang the tabs at the back of the cartridge on the hooks in the holder clamps.



Don't place the cartridge under the hooks; you may damage the clamp when you close it.

7. Press down the ink cartridge clamp until it locks in place.



8. If you need to replace the other ink cartridge, repeat steps 3 through 7 before continuing with step 9.
9. Press the  ink cartridge replacement button and close the printer cover. The printer begins charging the ink delivery system.

The  power light flashes, and the printer makes noise. Charging takes about one minute. When it's finished, the  power light stops flashing and stays on and the  error light goes out.



Never turn off the printer while the  power light is flashing, unless the printer hasn't moved or made noise for more than 5 minutes.

## Cleaning the Print Head

If your printouts are unexpectedly light or faint, or dots or lines are missing from the image, you may need to clean the print head. This unclogs the nozzles so they can deliver ink properly. Print head cleaning uses ink, so clean it only if quality declines.

This section explains how to clean the print head using the Head Cleaning utility, which is the recommended method when the printer is connected to a local port, not over a network.

You can also clean the print head by holding down the  maintenance button on the printer's control panel for three seconds when the  error light is off. See your Fix-it Flix movies or your electronic *Reference Guide* for detailed instructions.



When you don't turn on your printer for a long time, the print quality can decline. It's a good idea to turn on your printer at least once a month to maintain good print quality.

Follow these steps to run the Head Cleaning utility:

1. Make sure the printer is turned on but not printing, and the  error light is off. (If the  error light is flashing or on, you may need to replace the ink cartridge; see page 7 for details.)
2. If you have an application running, access the printer settings dialog box.

Or, with Windows, click **Start**, point to **Settings**, and select **Printers**. Right-click the EPSON Stylus Color 777 printer icon. Then select **Properties** (Windows 95 or 98), **Document Defaults** (Windows NT), or **Printing Preferences** (Windows 2000).

3. **Windows:** Click the  Utility tab.

**Macintosh:** Click the  Utility button.

4. On the Utility menu, click the  Head Cleaning button.
5. Follow the instructions on the screen to clean the print head. Cleaning takes about 30 seconds, during which the printer makes some noise and the  power light flashes.



Never turn off the printer while the  power light is flashing, unless the printer hasn't moved or made noise for more than 5 minutes.

6. When the  power light stops flashing, run a nozzle check to confirm the print head nozzles are clean.

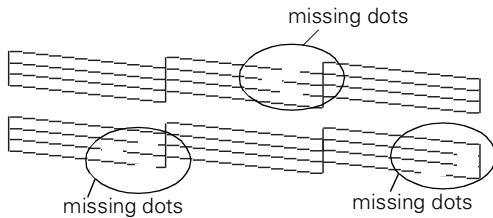
Make sure paper is loaded in the printer and click **Print nozzle check pattern**. Then click **Print**. The nozzle check pattern prints (see the next section for details).

- If the nozzle check pattern has no gaps in its dots, click **Finish**.

If the pattern is missing dots, click **Clean** to clean the print head again. If you don't see any improvement after cleaning three or four times, check the solutions in the *Printer Basics* book. You can also turn the printer off and wait overnight—this allows any dried ink to soften—and then try cleaning the print head again.

## Examining the Nozzle Check Pattern

Examine the nozzle check pattern you print (the lower row will be in color). Each staggered horizontal and straight vertical line should be complete, with no gaps in the dot pattern. If your printout looks okay, you're done.



If any dots are missing (as shown here), clean the print head again, as described on page 8.

## Aligning the Print Head

If your printouts contain misaligned vertical lines, you may need to align the print head. Your printer must be connected to a local port, not on a network, to use the Print Head Alignment utility.

- Make sure the printer is turned on, but not printing, and letter-size paper is loaded.



Load paper that's at least 8.27 inches (210 mm) wide to prevent ink from spraying inside the printer and smudging your printouts. For the best results, load EPSON ink jet paper in the printer whenever you check the print head alignment.

- If you have an application running, access the printer settings dialog box.

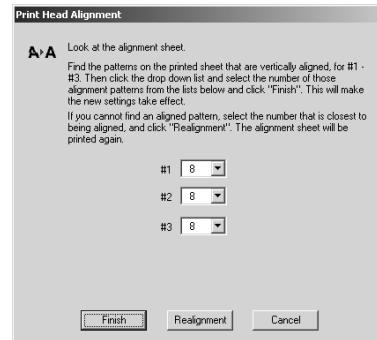
Or, with Windows, click **Start**, point to **Settings**, and select **Printers**. Right-click the EPSON Stylus Color 777/777i icon, then select **Properties** (Windows 95 or 98), **Document Defaults** (Windows NT), or **Printing Preferences** (Windows 2000).

- Windows:** Click the **Utility** tab.

**Macintosh:** Click the Utility button.

- You see the Utility menu. Click the **Print Head Alignment** button.

- Follow the instructions on the screen to print a test page. You see this window:



- On the printed page, select the pattern that shows the two vertical lines most precisely printed on top of each other. Select one pattern each for rows 1, 2, and 3. Then enter the number of the best pattern for each row in the corresponding boxes on the screen.
- Click **Realignment** to print another test page. Make sure the pattern numbered 8 in each row is the best aligned. If not, repeat steps 6 and 7.
- When you're finished, click **Finish**.

## Cleaning the Printer

To keep your printer working at its best, you should clean it several times a year. Follow these steps:

- Turn off the printer, unplug the power cord, and disconnect the printer cable.
- Remove all the paper from the sheet feeder.
- Clean the exterior of the printer with a soft, damp cloth.
- Clean ink out of the printer's interior with a soft, damp cloth.



Don't touch the gears inside the printer.

Never use a hard or abrasive brush, or alcohol or thinner for cleaning; they can damage the printer components and case.

Don't get water on the printer components and don't spray lubricants or oils inside the printer.

Don't use any cleaning sheets included with special media; they may jam inside the printer.

## Transporting the Printer

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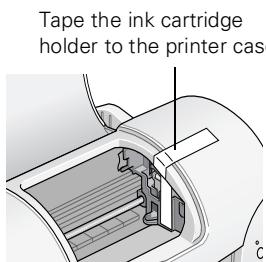
If you move your printer some distance, you need to prepare it for transportation in its original box or one of a similar size.

Follow these steps:



To avoid damage, always leave the ink cartridges installed when transporting the printer. Be sure to remove the tape used in step 4 after installing the printer in its new location.

1. Turn on the printer, wait until the print head locks in the far right position, then turn off the printer.
2. Unplug the power cord from the electrical outlet. Then disconnect the printer cable from the printer.
3. Remove any paper from the printer and remove the paper support.
4. Open the printer cover. Secure the ink cartridge holder to the printer with tape as shown, then close the printer cover.
5. Push in the output tray extension and close the tray.
6. Repack the printer and attachments in the original box using the protective materials that came with it. See the *Start Here* sheet.



Be sure to keep the printer level as you transport it. After transporting the printer, remove the tape securing the print head and then print a document to test the output.

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## Related Documentation

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TM-SC777	EPSON Stylus Color 777/777i Service Manual
PL-SC777	EPSON Stylus Color 777/777i Parts Price List
CPD-10839	EPSON Stylus Color 777/777i <i>Printer Basics</i>
CPD-10841	EPSON Stylus Color 777/777i <i>Start Here</i>
CPD-10842	EPSON Stylus Color 777/777i CD-ROM